

4.5.1 COE Facilities

COE TRANSMISSION SEGMENTATION

BONNEVILLE DAM

From Bonneville Dam Property List, 30 September 1997

PH! Only (No I PH2 is only step-up - no high side breakers

PLANT	ITEM	PLANT ITEM	TOTAL VALUE	DEPRECIATION	BPA Codes
076		SWITCHYARD - ORIG	2,983,817.92		
07600	1A	SWITCHYARD STEEL SUPPORT STRUCTURE	299,725.55	299,725.55	S
07600	1B	SWITCHYARD BUS AND INSULATORS	12,432.00	12,432.00	S
07600	1C	SWITCHYARD LIGHTING SYSTEM	25,464.70	25,464.70	S
07600	1D	SWITCHYARD POWER & CONTROL STEEL CONDUIT	24,024.14	24,024.14	S
07600	1E	SWITCHYARD INSULATING OIL PIPING	25,163.20	25,163.20	T
07600	1F	POWER TRANSFORMERS	688,637.48	688,637.48	T
07600	1I	SWITCHYARD COMPONENTS NOT LISTED ELSEWHERE	105,974.23	105,974.23	S
07600	3	SWITCHYARD LIGHTNING ARRESTER	52,814.78	52,814.78	S
07600	5	REGULATING TRANSFORMERS	767,818.04	767,818.04	S
07600	6	SWITCHYARD CIRCUIT BREAKER NO. 10	39,459.31	39,459.31	C
07600	6	SWITCHYARD CIRCUIT BREAKER NO. 11	39,459.31	39,459.31	C
07600	6	SWITCHYARD CIRCUIT BREAKER NO. 12	39,459.31	39,459.31	C
07600	6	SWITCHYARD CIRCUIT BREAKER NO. 13	39,459.31	39,459.31	C
07600	6	SWITCHYARD CIRCUIT BREAKER NO. 14	39,459.31	39,459.31	C
07600	6	SWITCHYARD CIRCUIT BREAKER NO. 15	39,459.31	39,459.31	C
07600	6	SWITCHYARD CIRCUIT BREAKER NO. 16	39,459.31	39,459.31	C
07600	6	SWITCHYARD CIRCUIT BREAKER NO. 17	39,459.31	39,459.31	C
07600	6	SWITCHYARD CIRCUIT BREAKER NO. 18	39,459.31	39,459.31	C
07600	6	SWITCHYARD CIRCUIT BREAKER NO. 19	39,459.31	39,459.31	C
07600	6	SWITCHYARD CIRCUIT BREAKER NO. 1	39,459.31	39,459.31	C
07600	6	SWITCHYARD CIRCUIT BREAKER NO. 2	39,459.31	39,459.31	C
07600	6	SWITCHYARD CIRCUIT BREAKER NO. 5	39,459.32	39,459.32	C
07600	6	SWITCHYARD CIRCUIT BREAKER NO. 6	39,459.32	39,459.32	C
07600	6	SWITCHYARD CIRCUIT BREAKER NO. 7	39,459.32	39,459.32	C
07600	6	SWITCHYARD CIRCUIT BREAKER NO. 8	39,459.32	39,459.32	C
07600	6	SWITCHYARD CIRCUIT BREAKER NO. 9	39,459.32	39,459.32	C
07600	6	SWITCHYARD CIRCUIT BREAKER NO. 20	39,459.32	39,459.32	C
07600	6	SWITCHYARD CIRCUIT BREAKER NO. 21	39,459.32	39,459.32	C
07600	6	SWITCHYARD CIRCUIT BREAKER NO. 3	39,459.32	39,459.32	C
07600	6	SWITCHYARD CIRCUIT BREAKER NO. 4	39,459.32	39,459.32	C
07600	7	DISCONNECTING SWITCHES	132,396.20	132,396.20	S
07600	11	SWITCHYARD CONTROL CABLE SYSTEM	20,722.00	20,722.00	S

	<u>TOTAL VALUE</u>	<u>DEPRECIATION</u>	<u>Net/Book</u>
(C)ircuit breakers	828,646	828,646	0
(T)ransformer step-ups	713,801	713,801	0
(S)ubstation general	1,441,372	1,441,372	0
SUM	2,983,818	2,983,818	0
<u>Segment Allocation</u>			
Step-ups (T + 7/14 of S)	1,434,487	1,434,487	0
Network (4/7 of C + 4/14 of S)	885,332	885,332	0
Generation Integration (3/7 of C + 3/14 of S)	663,999	663,999	0
SUM	2,983,818	2,983,818	

Allocation Notes

1. There are 7 115kV circuits, 3 for generation integration and 4 for Network.
2. There are 7 step-up banks, 3 to 115kV and 4 to 230kV.
3. Allocate the substation general equally to each breaker and step-up (14 total items)